

Results of Directional Survey

API number:	30-025-41523		
OGRID:		Operator:	EOG RESOURCES INC
		Property:	VACA 11 FEDERAL # 2H

surface	ULSTR:	P	11	T	25S	R	33E
				170	FSL	1200	FEL

BH Loc	ULSTR:	P	14	T	25S	R	33E
15675	MD	10710.1	TVD	230	FSL	1148	FEL
				5050	FNL		

Top Perf/OH	ULSTR:	P	11	T	25S	R	33E
11080	MD	10671.4	TVD	457	FNL	1205	FEL

Bot Perf/OH	ULSTR:	P	14	T	25S	R	33E
15410	MD	10720.3	TVD	497	FSL	1145	FEL
				4783	FNL		

	MD	N/S	E/W	VD
	11045	-592.20	-3.90	10672.9
TOP PERFS/OH	11080	-627.13	-5.48	10671.39
	11140	-687.00	-8.20	10668.80
	15408	-4951.30	54.80	10720.30
BOT PERFS/OH	15410	-4953.34	54.78	10720.25
	15500	-5045.20	54.10	10717.80

NEXT TO LAST	15622	-5167.10	52.80	10712.90
LAST READING	15675	-5220.00	51.90	10710.10
TD	15675	-5220.00	51.90	10710.10

Surface Location	170	FS	1200	FE
Projected BHL	5050	FN	1148	FE
Location of				
Top Perfs/OH	457	FN	1205	FE
Bottom Perfs/OH	4783	FN	1145	FE

SUMMARY of Subsurface Locations

Surface Location	P-11-25S-33E	170	FS	1200	FE	Vert. Depth
Top Perfs/OH	P-11-25S-33E	457	FN	1205	FE	10671.39
Bottom Perfs/OH	P-14-25S-33E	4783	FN	1145	FE	10720.25
Projected TD	P-14-25S-33E	5050	FN	1148	FE	10710.10

AUG 05 2014



EOG Resources, INC.

Lea County, NM

Vaca 11 Fed

#2H

OH

Survey: MWD #1

Standard Survey Report

04 May, 2014



Wellplanning Survey Report

Company:	EOG Resources, INC.	Local Co-ordinate Reference:	Well #2H
Project:	Lea County, NM	TVD Reference:	WELL @ 3393.0usft (Original Well Elev)
Site:	Vaca 11 Fed	MD Reference:	WELL @ 3393.0usft (Original Well Elev)
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Project	Lea County, NM		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Vaca 11 Fed				
Site Position:		Northing:	414,888.00 usft	Latitude:	32° 8' 17.322 N
From:	Map	Easting:	746,178.00 usft	Longitude:	103° 32' 16.849 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.42 °

Well	#2H					
Well Position	+N/-S	0.0 usft	Northing:	414,888.00 usft	Latitude:	32° 8' 17.322 N
	+E/-W	0.0 usft	Easting:	746,178.00 usft	Longitude:	103° 32' 16.849 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,363.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2010	4/3/2014	7.22	60.04	48,288

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.0	0.0	0.0	179.56	

Survey Program	Date	5/4/2014
From	To	
(usft)	(usft)	
100.0	15,675.0 MWD #1 (OH)	
Survey (Wellbore)	Tool Name	Description
	MWD	MWD - Standard

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.84	109.65	100.0	-0.2	0.7	0.3	0.84	0.84	0.00
200.0	0.84	81.29	200.0	-0.4	2.1	0.4	0.41	0.00	-28.36
300.0	0.65	85.43	300.0	-0.2	3.4	0.3	0.20	-0.19	4.14
400.0	0.69	65.50	400.0	0.1	4.5	0.0	0.24	0.04	-19.93
500.0	0.63	42.59	500.0	0.7	5.4	-0.7	0.27	-0.06	-22.91
600.0	0.67	39.86	600.0	1.6	6.2	-1.5	0.05	0.04	-2.73
700.0	0.75	33.24	700.0	2.6	6.9	-2.5	0.11	0.08	-6.62
800.0	0.58	23.71	799.9	3.6	7.5	-3.5	0.20	-0.17	-9.53
900.0	0.61	40.00	899.9	4.5	8.0	-4.4	0.17	0.03	16.29



Wellplanning Survey Report

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Project: Lea County, NM
Site: Vaca 11 Fed
Well: #2H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #2H
TVD Reference: WELL @ 3393.0usft (Original Well Elev)
MD Reference: WELL @ 3393.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,000.0	0.65	69.75	999.9	5.1	8.9	-5.0	0.33	0.04	29.75
1,100.0	0.54	45.70	1,099.9	5.6	9.8	-5.5	0.27	-0.11	-24.05
1,183.0	0.60	31.72	1,182.9	6.2	10.3	-6.1	0.18	0.07	-16.84
1,324.0	0.88	21.92	1,323.9	7.9	11.1	-7.8	0.22	0.20	-6.95
1,513.0	0.70	51.80	1,512.9	9.9	12.5	-9.8	0.23	-0.10	15.81
1,702.0	0.88	30.35	1,701.9	11.9	14.2	-11.8	0.18	0.10	-11.35
1,891.0	1.06	24.38	1,890.8	14.7	15.6	-14.6	0.11	0.10	-3.16
2,081.0	1.23	299.65	2,080.8	17.3	14.6	-17.2	0.81	0.09	-44.59
2,269.0	0.53	234.26	2,268.8	17.8	12.1	-17.7	0.59	-0.37	-34.78
2,459.0	0.53	201.21	2,458.8	16.5	11.1	-16.4	0.16	0.00	-17.39
2,649.0	0.88	158.68	2,648.8	14.3	11.3	-14.2	0.32	0.18	-22.38
2,839.0	1.06	142.85	2,838.8	11.6	12.9	-11.5	0.17	0.09	-8.33
3,030.0	0.35	80.28	3,029.7	10.3	14.5	-10.1	0.50	-0.37	-32.76
3,219.0	0.53	178.36	3,218.7	9.5	15.1	-9.4	0.36	0.10	51.89
3,409.0	1.06	129.85	3,408.7	7.5	16.5	-7.3	0.43	0.28	-25.53
3,599.0	1.06	150.94	3,598.7	4.8	18.7	-4.7	0.20	0.00	11.10
3,788.0	0.53	297.89	3,787.7	3.7	18.8	-3.5	0.81	-0.28	77.75
3,978.0	0.18	304.92	3,977.7	4.3	17.7	-4.1	0.19	-0.18	3.70
4,167.0	0.53	145.32	4,166.7	3.7	18.0	-3.6	0.37	0.19	-84.44
4,356.0	1.06	173.44	4,355.7	1.3	18.7	-1.1	0.34	0.28	14.88
4,547.0	0.18	248.68	4,546.6	-0.6	18.6	0.7	0.54	-0.46	39.39
4,736.0	0.53	219.14	4,735.6	-1.4	17.8	1.5	0.20	0.19	-15.63
4,926.0	0.88	183.28	4,925.6	-3.5	17.1	3.7	0.29	0.18	-18.87
5,096.0	1.01	188.21	5,095.6	-6.3	16.9	6.4	0.09	0.08	2.90
5,286.0	0.26	352.91	5,285.6	-7.5	16.6	7.7	0.66	-0.39	86.68
5,476.0	0.44	356.87	5,475.6	-6.4	16.5	6.5	0.10	0.09	2.08
5,667.0	0.44	344.04	5,666.6	-4.9	16.2	5.1	0.05	0.00	-6.72
5,857.0	0.48	350.80	5,856.6	-3.5	15.9	3.6	0.04	0.02	3.56
6,046.0	0.57	344.74	6,045.6	-1.8	15.5	1.9	0.06	0.05	-3.21
6,236.0	0.62	347.20	6,235.6	0.1	15.1	0.0	0.03	0.03	1.29
6,426.0	0.44	341.75	6,425.6	1.8	14.6	-1.7	0.10	-0.09	-2.87
6,616.0	0.53	351.51	6,615.5	3.4	14.2	-3.3	0.06	0.05	5.14
6,806.0	0.57	339.47	6,805.5	5.2	13.8	-5.1	0.06	0.02	-6.34
6,996.0	0.70	321.89	6,995.5	7.0	12.7	-6.9	0.12	0.07	-9.25
7,187.0	0.70	312.66	7,186.5	8.7	11.2	-8.6	0.06	0.00	-4.83
7,377.0	0.66	309.76	7,376.5	10.1	9.5	-10.1	0.03	-0.02	-1.53
7,567.0	0.26	296.58	7,566.5	11.0	8.2	-11.0	0.22	-0.21	-6.94
7,757.0	0.18	239.01	7,756.5	11.1	7.6	-11.0	0.12	-0.04	-30.30
7,947.0	0.44	166.85	7,946.5	10.2	7.5	-10.2	0.22	0.14	-37.98
8,137.0	0.84	165.71	8,136.5	8.2	8.0	-8.1	0.21	0.21	-0.60
8,327.0	1.01	172.91	8,326.5	5.1	8.6	-5.1	0.11	0.09	3.79
8,517.0	0.48	252.45	8,516.4	3.2	8.0	-3.2	0.55	-0.28	41.86
8,707.0	0.48	223.36	8,706.4	2.4	6.7	-2.4	0.13	0.00	-15.31
8,896.0	0.53	214.75	8,895.4	1.1	5.7	-1.1	0.05	0.03	-4.56



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Site: Vaca 11 Fed
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Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #2H
TVD Reference: WELL @ 3393.0usft (Original Well Elev)
MD Reference: WELL @ 3393.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,086.0	0.66	202.44	9,085.4	-0.6	4.7	0.6	0.10	0.07	-6.48
9,275.0	0.62	234.17	9,274.4	-2.2	3.5	2.2	0.19	-0.02	16.79
9,466.0	1.05	287.35	9,465.4	-2.3	1.0	2.3	0.44	0.23	27.84
9,655.0	0.53	154.02	9,654.4	-2.6	-0.3	2.6	0.78	-0.28	-70.54
9,845.0	0.62	240.76	9,844.4	-3.9	-0.8	3.8	0.42	0.05	45.65
10,035.0	0.35	332.61	10,034.4	-3.8	-2.0	3.8	0.38	-0.14	48.34
10,066.0	0.44	297.72	10,065.4	-3.7	-2.1	3.7	0.81	0.29	-112.55
10,120.0	0.84	162.45	10,119.4	-4.0	-2.2	4.0	2.21	0.74	-250.50
10,152.0	3.12	173.97	10,151.3	-5.1	-2.0	5.1	7.20	7.13	36.00
10,182.7	5.53	174.74	10,182.0	-7.4	-1.8	7.4	7.85	7.84	2.51
KOP(Vaca11Fed#2H)									
10,184.0	5.63	174.76	10,183.2	-7.5	-1.8	7.5	7.85	7.84	1.40
10,215.0	8.26	173.00	10,214.0	-11.2	-1.4	11.2	8.51	8.48	-5.68
10,247.0	10.37	172.56	10,245.6	-16.4	-0.7	16.4	6.60	6.59	-1.38
10,284.0	12.79	171.77	10,281.8	-23.7	0.3	23.7	6.55	6.54	-2.14
10,315.0	16.26	171.59	10,311.8	-31.4	1.4	31.4	11.19	11.19	-0.58
10,347.0	19.74	170.72	10,342.3	-41.2	3.0	41.2	10.91	10.88	-2.72
10,378.0	23.34	173.62	10,371.1	-52.5	4.5	52.5	12.11	11.61	9.35
10,409.0	26.55	176.60	10,399.2	-65.5	5.6	65.5	11.12	10.35	9.61
10,441.0	29.89	177.92	10,427.4	-80.6	6.3	80.6	10.62	10.44	4.13
10,473.0	33.36	179.07	10,454.6	-97.4	6.7	97.4	11.01	10.84	3.59
10,504.0	36.66	179.86	10,480.0	-115.1	6.9	115.2	10.74	10.65	2.55
10,536.0	40.44	179.51	10,505.1	-135.1	7.0	135.1	11.83	11.81	-1.09
10,568.0	44.88	178.36	10,528.6	-156.8	7.4	156.8	14.09	13.88	-3.59
10,600.0	49.10	177.92	10,550.4	-180.1	8.2	180.2	13.23	13.19	-1.38
10,631.0	52.40	178.01	10,570.0	-204.1	9.0	204.2	10.65	10.65	0.29
10,663.0	54.99	180.03	10,589.0	-229.9	9.5	230.0	9.56	8.09	6.31
10,697.0	57.93	180.30	10,607.7	-258.2	9.4	258.3	8.67	8.65	0.79
10,729.0	61.10	180.12	10,624.0	-285.8	9.3	285.9	9.92	9.91	-0.56
10,761.0	64.48	180.47	10,638.6	-314.3	9.1	314.3	10.61	10.56	1.09
10,793.0	69.10	180.30	10,651.2	-343.7	8.9	343.7	14.45	14.44	-0.53
10,824.0	73.54	180.65	10,661.1	-373.0	8.7	373.1	14.36	14.32	1.13
10,856.0	78.77	181.18	10,668.8	-404.1	8.2	404.1	16.42	16.34	1.66
10,886.0	84.53	183.02	10,673.1	-433.7	7.1	433.8	20.14	19.20	6.13
10,918.0	88.70	184.16	10,675.0	-465.6	5.1	465.6	13.51	13.03	3.56
10,927.3	89.02	184.29	10,675.2	-474.9	4.4	474.9	3.70	3.42	1.42
EOC(Vaca11Fed#2H)									
10,949.0	89.76	184.60	10,675.5	-496.5	2.7	496.5	3.70	3.42	1.42
10,952.8	89.90	184.55	10,675.5	-500.3	2.4	500.3	3.83	3.61	-1.28
UMP(Vaca11Fed#2H)									
11,045.0	93.23	183.37	10,672.9	-592.2	-3.9	592.2	3.83	3.61	-1.28
11,140.0	91.74	181.79	10,668.8	-687.0	-8.2	687.0	2.28	-1.57	-1.66
11,236.0	90.73	179.77	10,666.8	-783.0	-9.5	782.9	2.35	-1.05	-2.10
11,330.0	91.03	179.15	10,665.3	-877.0	-8.6	876.9	0.73	0.32	-0.66



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Well: #2H
Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well #2H
WELL @ 3393.0usft (Original Well Elev)
WELL @ 3393.0usft (Original Well Elev)
Grid
Minimum Curvature
EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,425.0	89.98	179.15	10,664.5	-972.0	-7.2	971.9	1.11	-1.11	0.00
11,520.0	88.44	179.15	10,665.8	-1,066.9	-5.8	1,066.9	1.62	-1.62	0.00
11,615.0	88.92	179.59	10,668.0	-1,161.9	-4.8	1,161.8	0.69	0.51	0.46
11,711.0	89.93	180.12	10,668.9	-1,257.9	-4.5	1,257.8	1.19	1.05	0.55
11,805.0	90.99	180.91	10,668.2	-1,351.9	-5.4	1,351.8	1.41	1.13	0.84
11,900.0	89.76	179.42	10,667.6	-1,446.9	-5.6	1,446.8	2.03	-1.29	-1.57
11,995.0	88.75	178.27	10,668.8	-1,541.9	-3.7	1,541.8	1.61	-1.06	-1.21
12,089.0	89.41	178.89	10,670.3	-1,635.8	-1.4	1,635.8	0.96	0.70	0.66
12,184.0	91.03	178.45	10,669.9	-1,730.8	0.8	1,730.7	1.77	1.71	-0.46
12,278.0	88.40	178.63	10,670.4	-1,824.7	3.2	1,824.7	2.80	-2.80	0.19
12,373.0	89.01	178.71	10,672.6	-1,919.7	5.4	1,919.7	0.65	0.64	0.08
12,468.0	89.93	179.24	10,673.4	-2,014.7	7.1	2,014.7	1.12	0.97	0.56
12,563.0	89.41	179.33	10,674.0	-2,109.7	8.3	2,109.7	0.56	-0.55	0.09
12,658.0	89.76	179.42	10,674.7	-2,204.7	9.3	2,204.7	0.38	0.37	0.09
12,753.0	90.15	179.86	10,674.7	-2,299.7	9.9	2,299.7	0.62	0.41	0.46
12,847.0	91.78	180.56	10,673.2	-2,393.6	9.6	2,393.6	1.89	1.73	0.74
12,942.0	89.58	179.59	10,672.0	-2,488.6	9.5	2,488.6	2.53	-2.32	-1.02
13,037.0	88.48	179.33	10,673.6	-2,583.6	10.4	2,583.6	1.19	-1.16	-0.27
13,132.0	89.05	179.68	10,675.7	-2,678.6	11.2	2,678.6	0.70	0.60	0.37
13,227.0	89.93	179.51	10,676.5	-2,773.6	11.8	2,773.6	0.94	0.93	-0.18
13,321.0	89.89	179.33	10,676.7	-2,867.6	12.8	2,867.6	0.20	-0.04	-0.19
13,416.0	89.19	179.24	10,677.4	-2,962.6	14.0	2,962.6	0.74	-0.74	-0.09
13,511.0	89.58	178.89	10,678.5	-3,057.5	15.5	3,057.6	0.55	0.41	-0.37
13,606.0	89.85	178.71	10,678.9	-3,152.5	17.5	3,152.6	0.34	0.28	-0.19
13,702.0	89.36	178.36	10,679.6	-3,248.5	20.0	3,248.5	0.63	-0.51	-0.36
13,797.0	89.85	178.54	10,680.3	-3,343.4	22.5	3,343.5	0.55	0.52	0.19
13,892.0	88.09	178.27	10,682.0	-3,438.4	25.2	3,438.5	1.87	-1.85	-0.28
13,987.0	88.26	178.01	10,685.0	-3,533.3	28.3	3,533.4	0.33	0.18	-0.27
14,082.0	88.75	177.75	10,687.5	-3,628.2	31.8	3,628.3	0.58	0.52	-0.27
14,176.0	90.11	178.19	10,688.4	-3,722.1	35.1	3,722.3	1.52	1.45	0.47
14,272.0	86.77	177.66	10,691.0	-3,818.0	38.6	3,818.2	3.52	-3.48	-0.55
14,367.0	87.87	178.10	10,695.5	-3,912.8	42.1	3,913.1	1.25	1.16	0.46
14,461.0	88.62	178.10	10,698.3	-4,006.7	45.2	4,007.0	0.80	0.80	0.00
14,556.0	87.43	178.63	10,701.6	-4,101.6	47.9	4,101.9	1.37	-1.25	0.56
14,651.0	88.09	178.54	10,705.3	-4,196.5	50.3	4,196.8	0.70	0.69	-0.09
14,745.0	89.19	178.45	10,707.6	-4,290.5	52.7	4,290.8	1.17	1.17	-0.10
14,840.0	87.82	179.77	10,710.0	-4,385.4	54.2	4,385.7	2.00	-1.44	1.39
14,934.0	87.82	179.94	10,713.6	-4,479.4	54.4	4,479.7	0.18	0.00	0.18
15,028.0	88.48	179.77	10,716.6	-4,573.3	54.7	4,573.6	0.73	0.70	-0.18
15,123.0	88.97	179.77	10,718.8	-4,668.3	55.1	4,668.6	0.52	0.52	0.00
15,217.0	89.36	179.94	10,720.1	-4,762.3	55.3	4,762.6	0.45	0.41	0.18
15,311.0	89.54	180.21	10,721.0	-4,856.3	55.2	4,856.6	0.35	0.19	0.29
15,406.0	91.30	180.30	10,720.3	-4,951.3	54.8	4,951.5	1.86	1.85	0.09



Wellplanning Survey Report

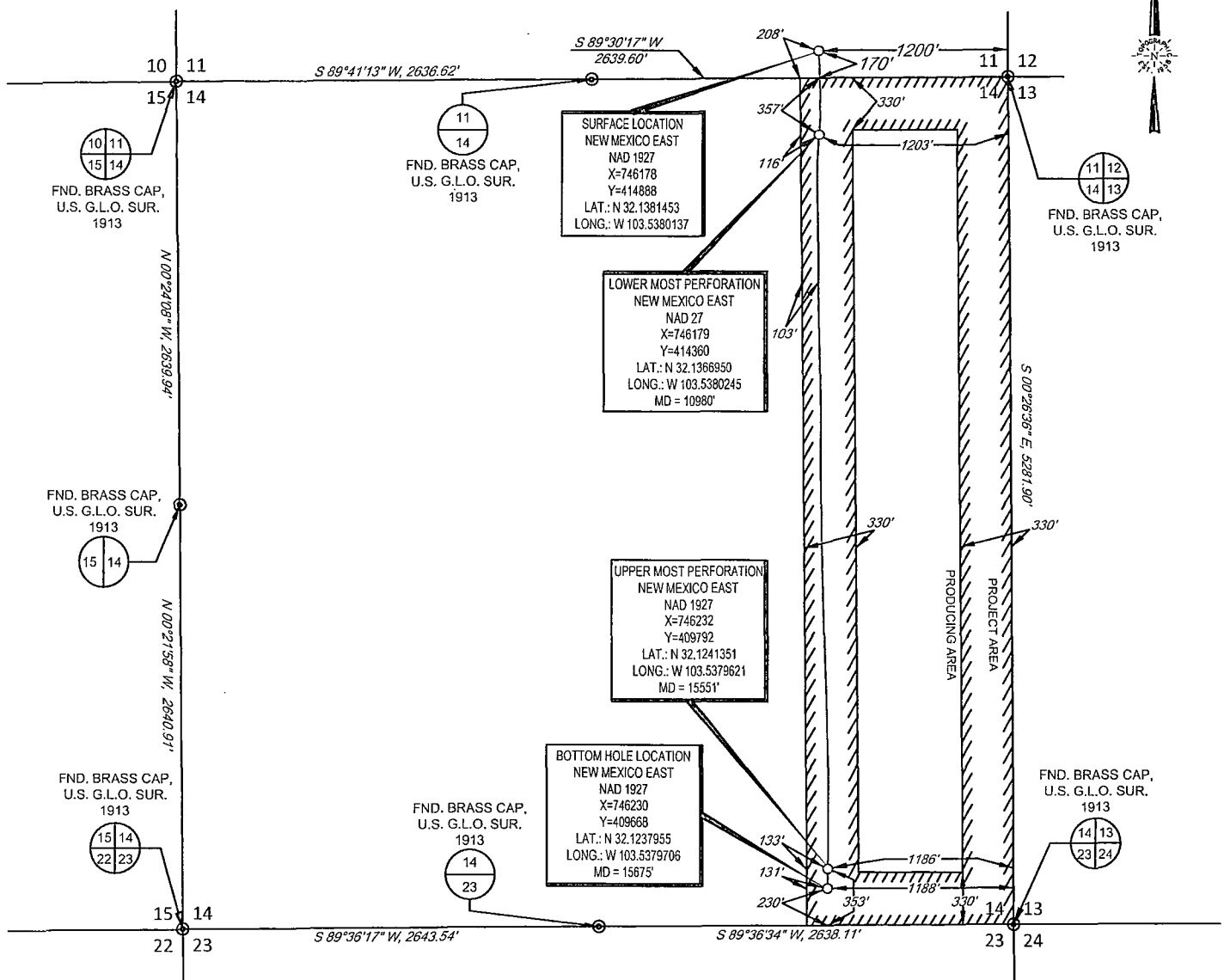
Company:	EOG Resources, INC.	Local Co-ordinate Reference:	Well #2H
Project:	Lea County, NM	TVD Reference:	WELL @ 3393.0usft (Original Well Elev)
Site:	Vaca 11 Fed	MD Reference:	WELL @ 3393.0usft (Original Well Elev)
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
15,500.0	91.78	180.47	10,717.8	-5,045.2	54.1	5,045.5	0.54	0.51	0.18	
15,576.1	92.41	180.61	10,715.0	-5,121.3	53.4	5,121.6	0.85	0.83	0.19	
LMP(Vaca11Fed#2H)										
15,595.0	92.57	180.65	10,714.2	-5,140.2	53.2	5,140.4	0.85	0.83	0.19	
15,622.0	93.05	181.00	10,712.9	-5,167.1	52.8	5,167.4	2.20	1.78	1.30	
15,675.0	93.05	181.00	10,710.1	-5,220.0	51.9	5,220.3	0.00	0.00	0.00	
PBHL(Vaca11Fed#2H)										

Checked By: _____	Approved By: _____	Date: _____
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SCALE: 1" = 1000'

SECTION 11, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, NEW MEXICO

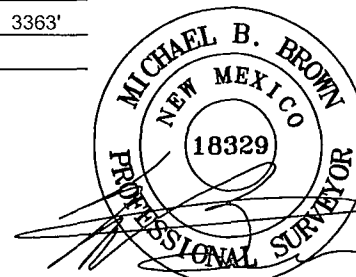


LEASE NAME & WELL NO.: VACA 11 FED #2H
SECTION 11 TWP 25-S RGE 33-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3363'
DESCRIPTION 170' FSL & 1200' FEL



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 197 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7548
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM



Michael Blake Brown, P.S. No. 18329
JUNE 3, 2014



VACA 11 FED #2H AS-COMPLETED	REVISION:		NOTES:
	INT	DATE	
DATE: 06/03/14			1. ORIGINAL DOCUMENT SIZE: 8.5" X 11" 2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET, NORTH AMERICAN DATUM 1927. 3. CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT, IN RELATION TO THE EVIDENCE FOUND DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION, AND USING DOCUMENTATION PROVIDED BY EOG RESOURCES, INC. ONLY UTILITIES/EASEMENTS THAT WERE VISIBLE ON THE DATE OF THIS SURVEY, WITHIN/ADJOINING THIS EASEMENT, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE, AND MADE FOR THIS TRANSACTION ONLY. 4. B.O.L./P.O.B. = BEGINNING OF LINE/POINT OF BEGINNING 5. E.O.L./P.O.E. = END OF LINE/POINT OF EXIT
FILE: AD_VACA11FED_2H			
DRAWN BY: G.O.			
SHEET: 1 OF 1			

JUL 24 2014

FORM C-102

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Revised August 1, 2011

RECEIVED Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025- 41523	² Pool Code 97900 51020	³ Pool Name Lower Red Hills; Bone Spring Upper Shale
⁴ Property Code 39817	⁵ Property Name VACA 11 FED	⁶ Well Number #2H
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3363'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	11	25-S	33-E	-	170'	SOUTH	1200'	EAST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	14	25-S	33-E	-	230'	SOUTH	1188'	EAST	LEA

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
160			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

10	11		12
15	14		13
		SURFACE LOCATION NEW MEXICO EAST NAD 1927 X=746178 Y=414888 LAT.: N 32.1381442 LONG.: W 103.5380143	
		UPPER MOST PERF. NEW MEXICO EAST NAD 1927 X=746182 Y=414388 LAT.: N 32.1367698 LONG.: W 103.5380137	
		LOWER MOST PERF. NEW MEXICO EAST NAD 1927 X=746217 Y=409768 LAT.: N 32.1240710 LONG.: W 103.5380084	
		BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 X=746218 Y=409668 LAT.: N 32.1237961 LONG.: W 103.5380083	
15	14		13
22	23 -		24

¹⁷OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Roger Motley 5-28-2013
Signature Date

Roger Motley
Printed Name

roger.motley@eogresources.com
E-mail Address

¹⁸SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

Date of Survey
Signature and Seal of Professional Surveyor

3/6/2013
MICHAEL BROWN
NEW MEXICO
18329
PROFESSIONAL SURVEYOR

Certificate Number